

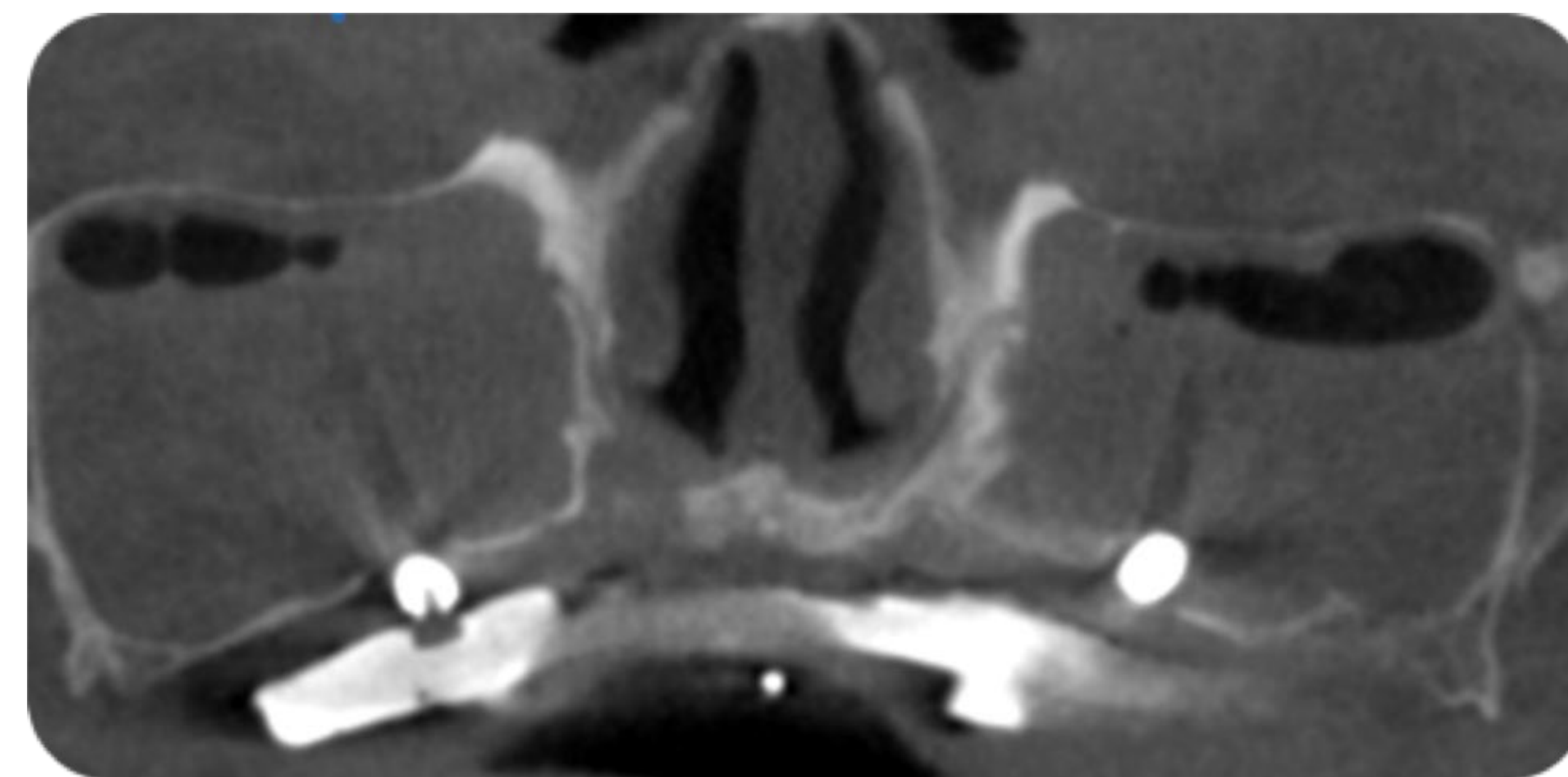
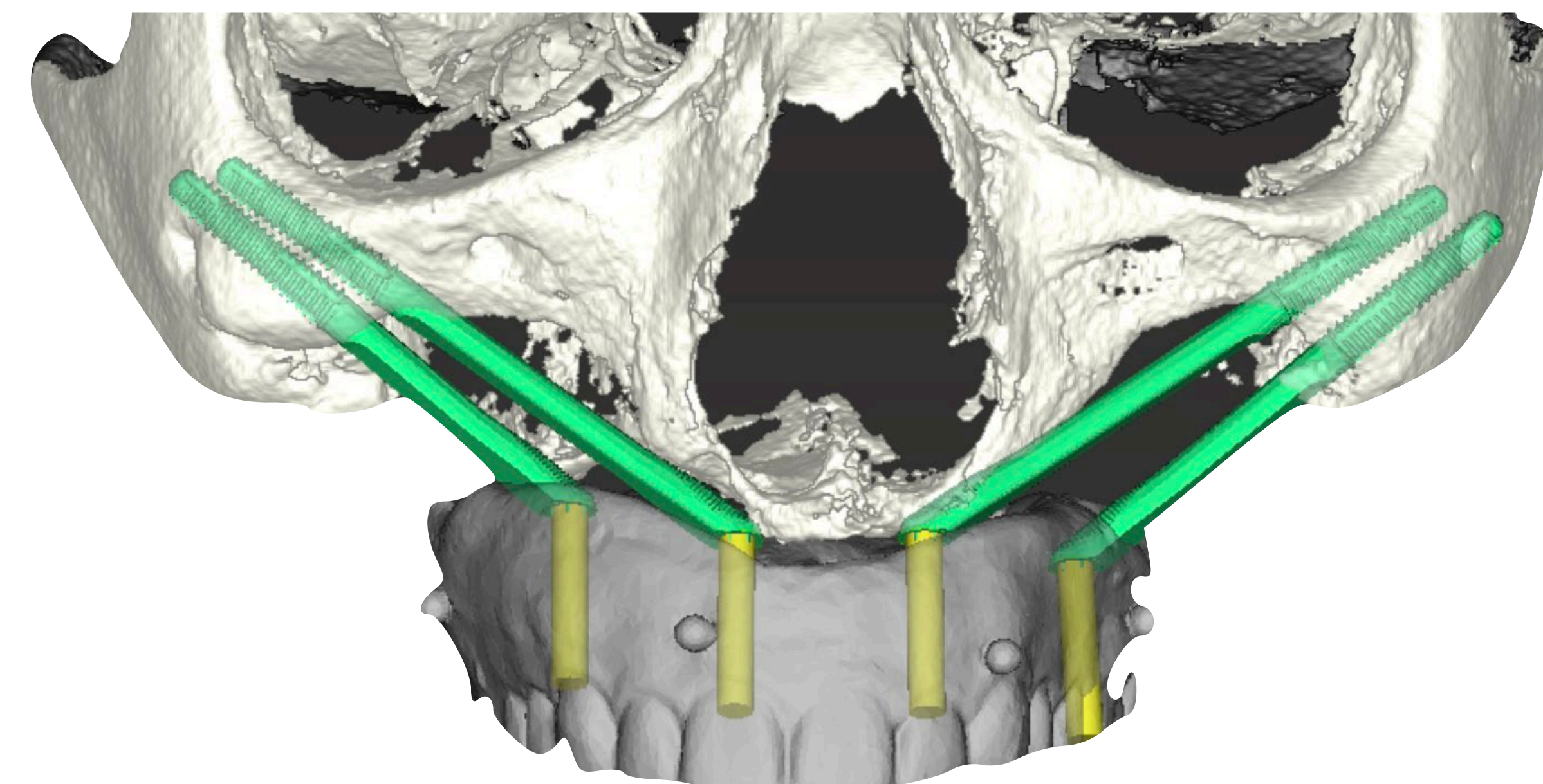
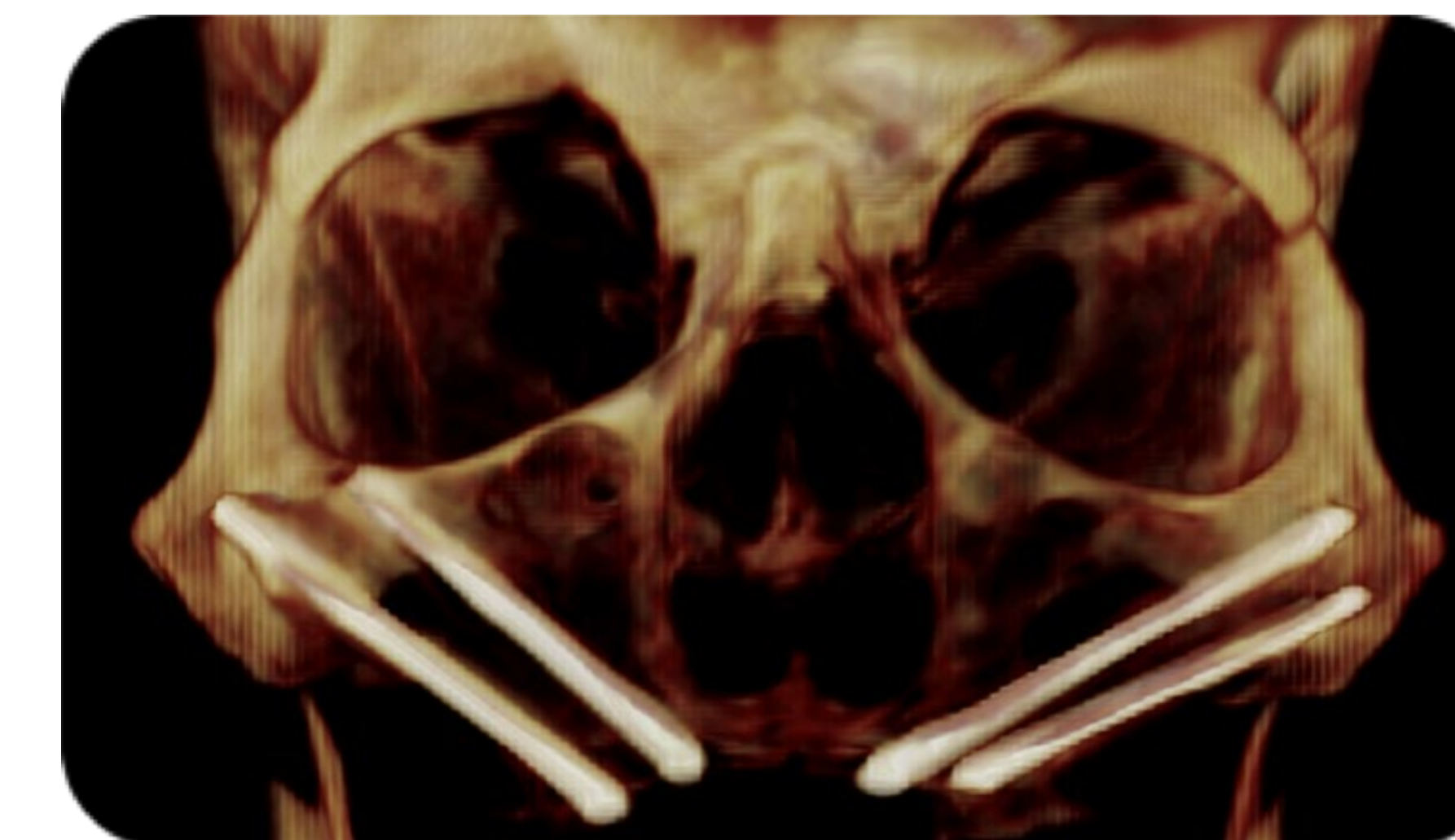
Quad Zygomatic Implants and CAD/CAM bar overdenture

An alternative for retreatment after failed rehabilitation of atrophic maxilla

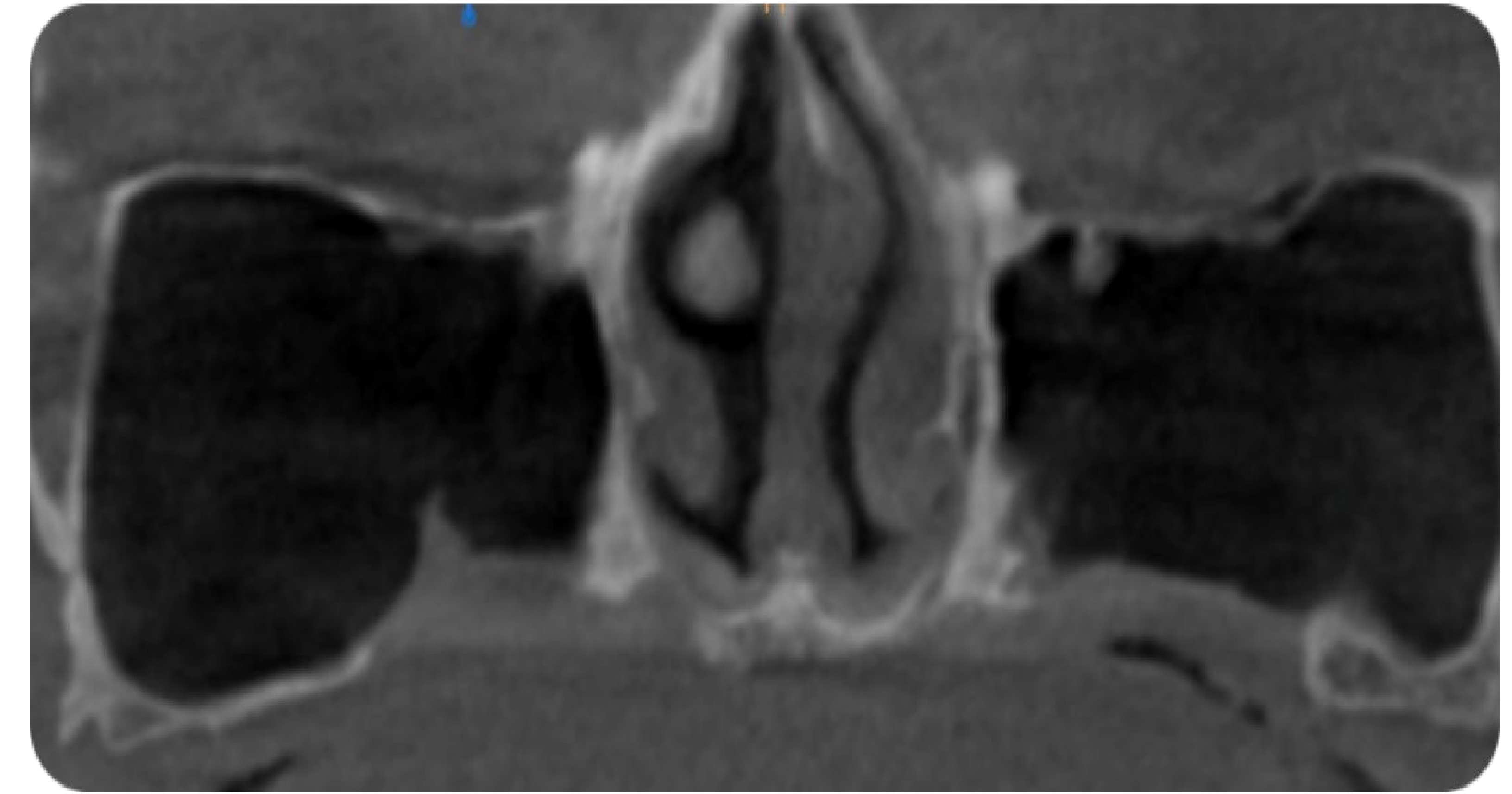
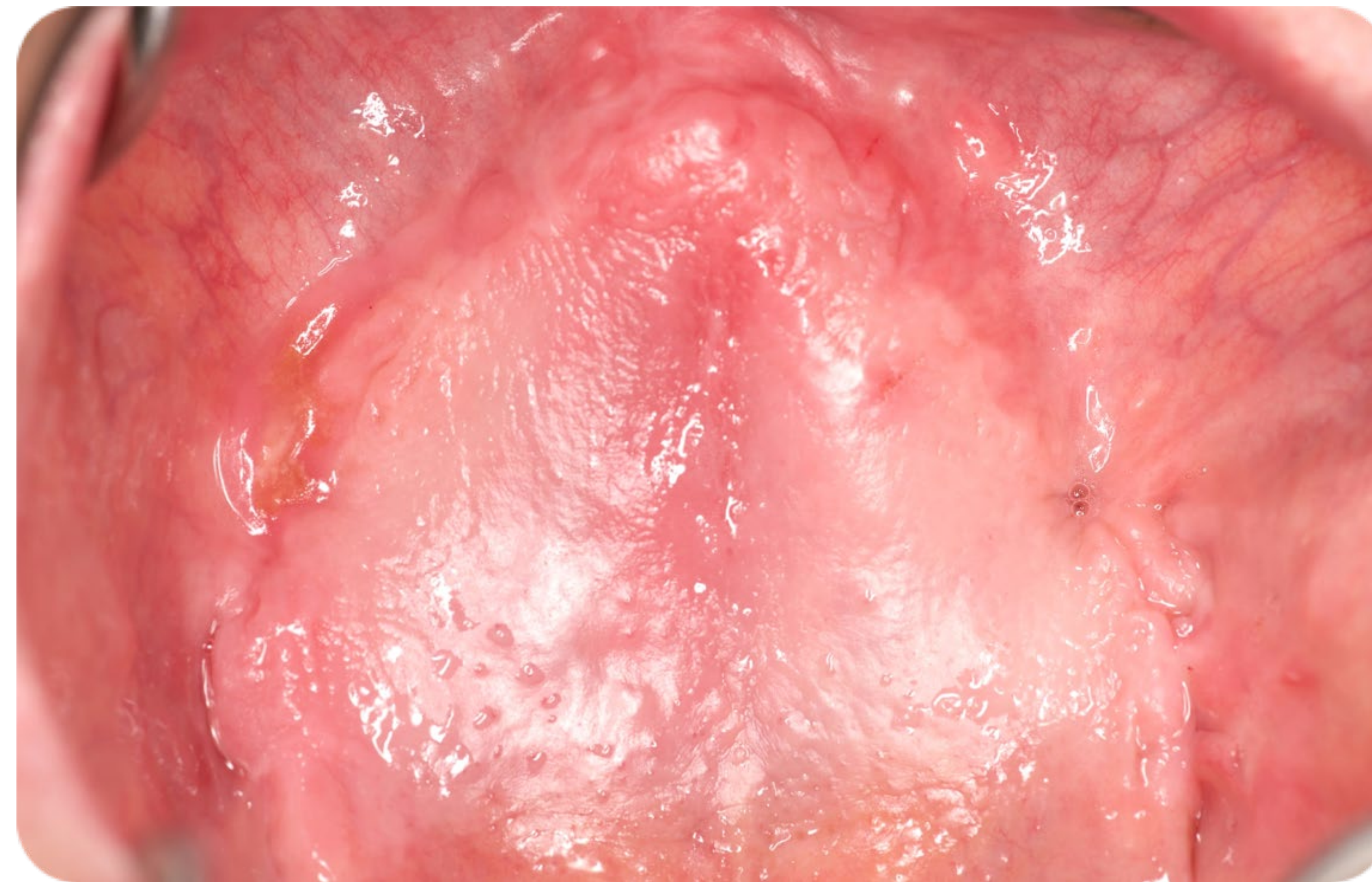
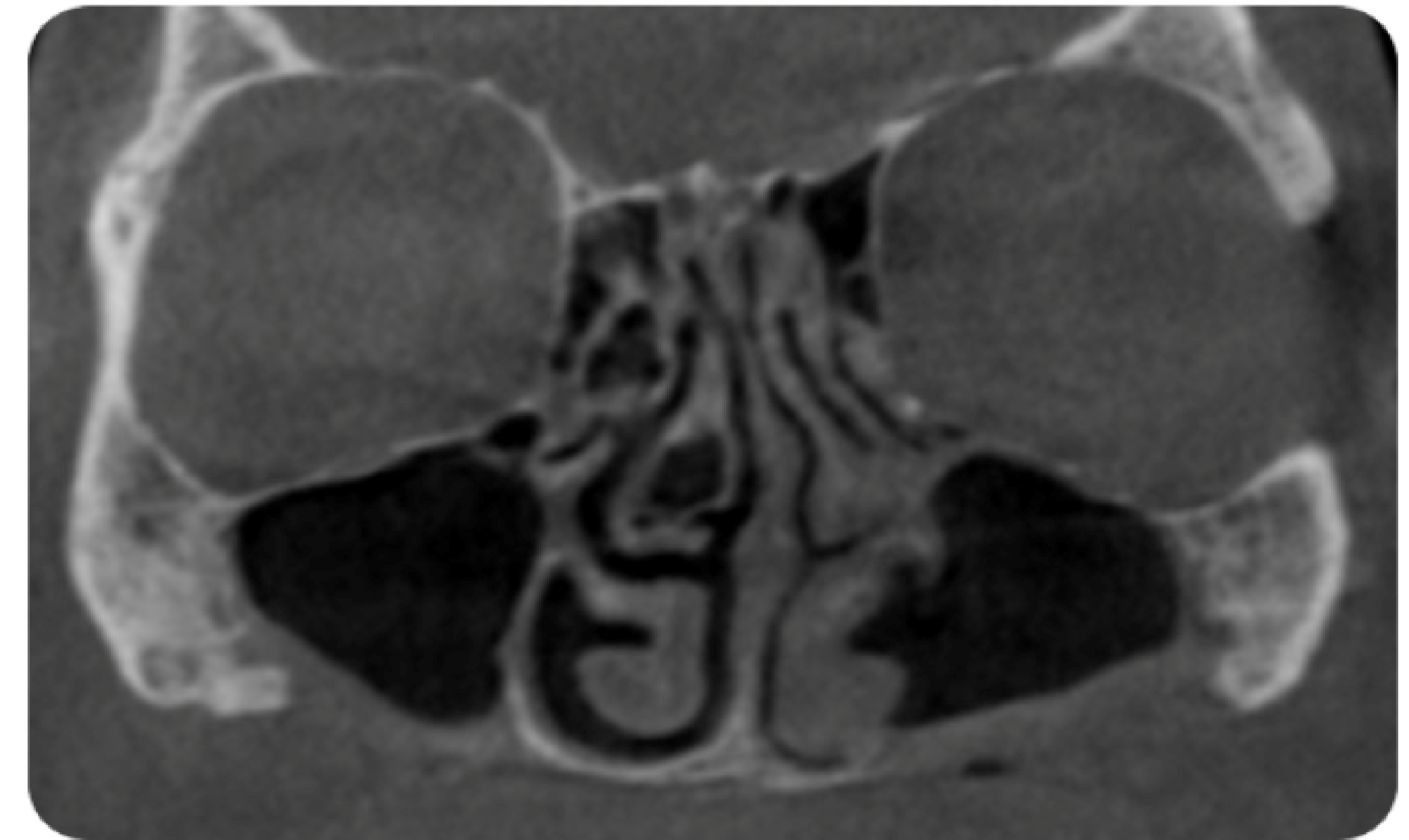
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Abstract

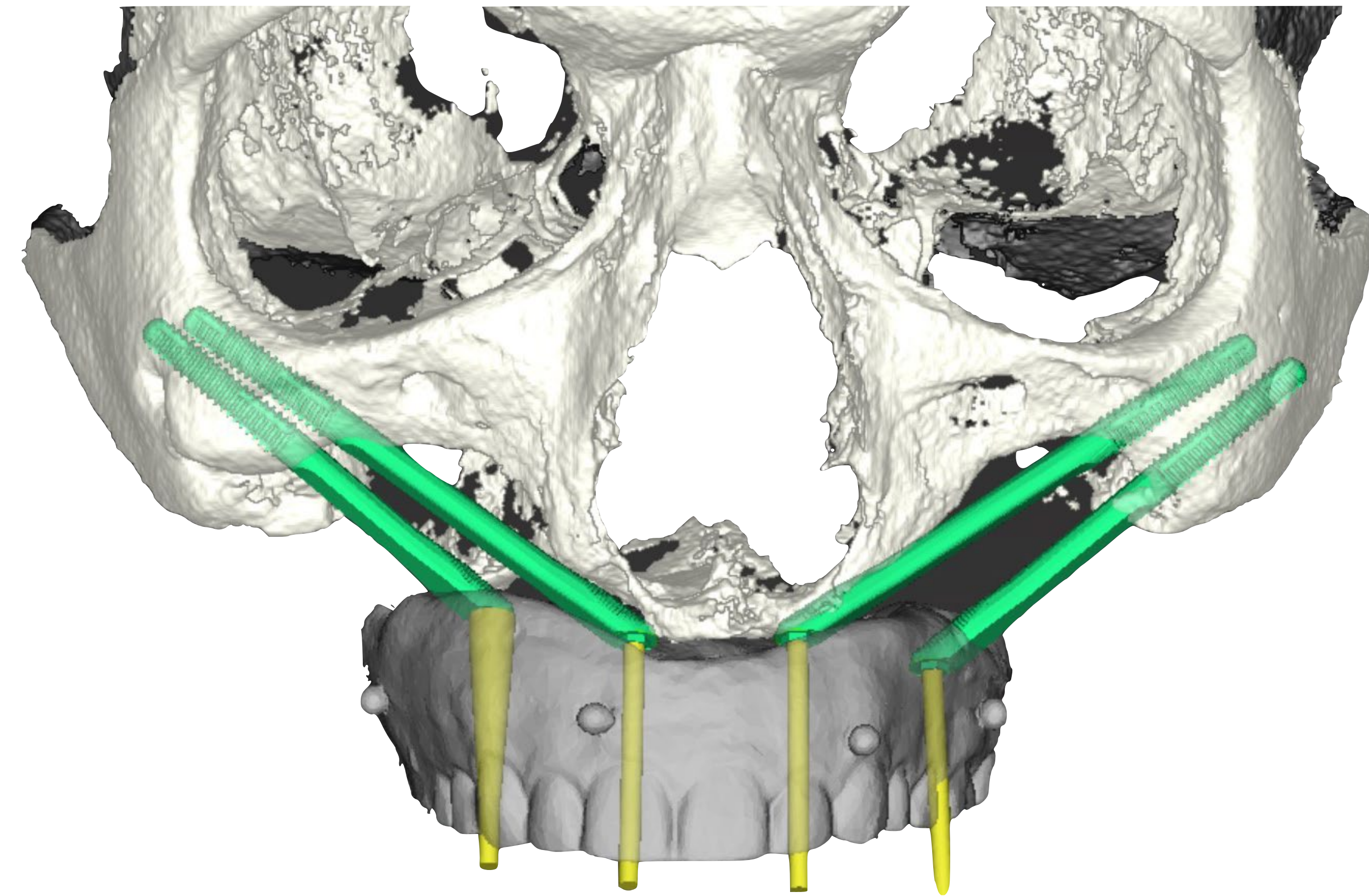
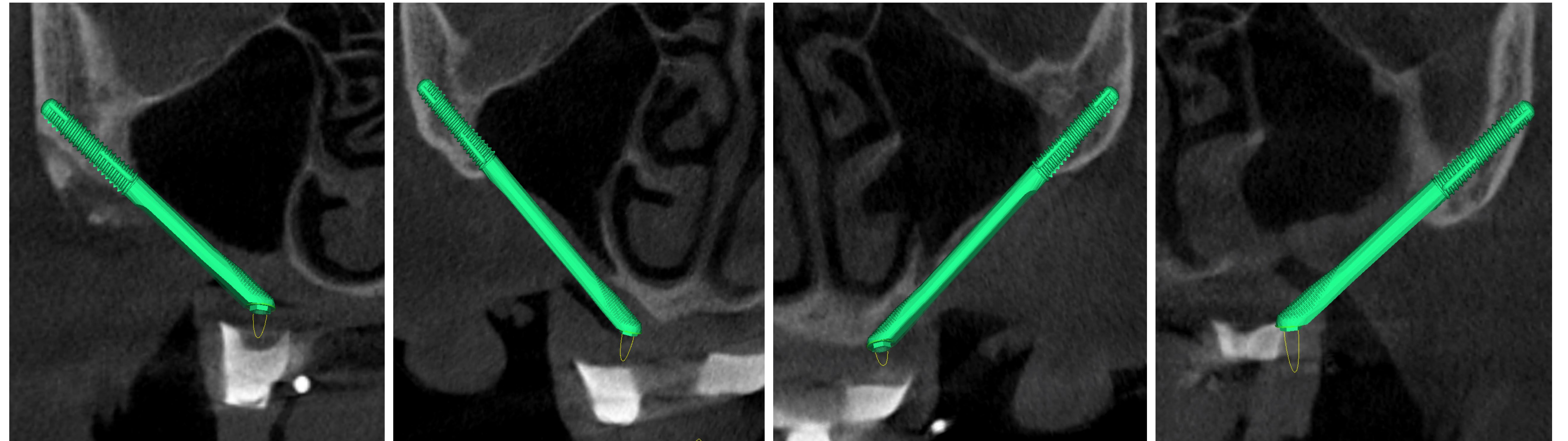
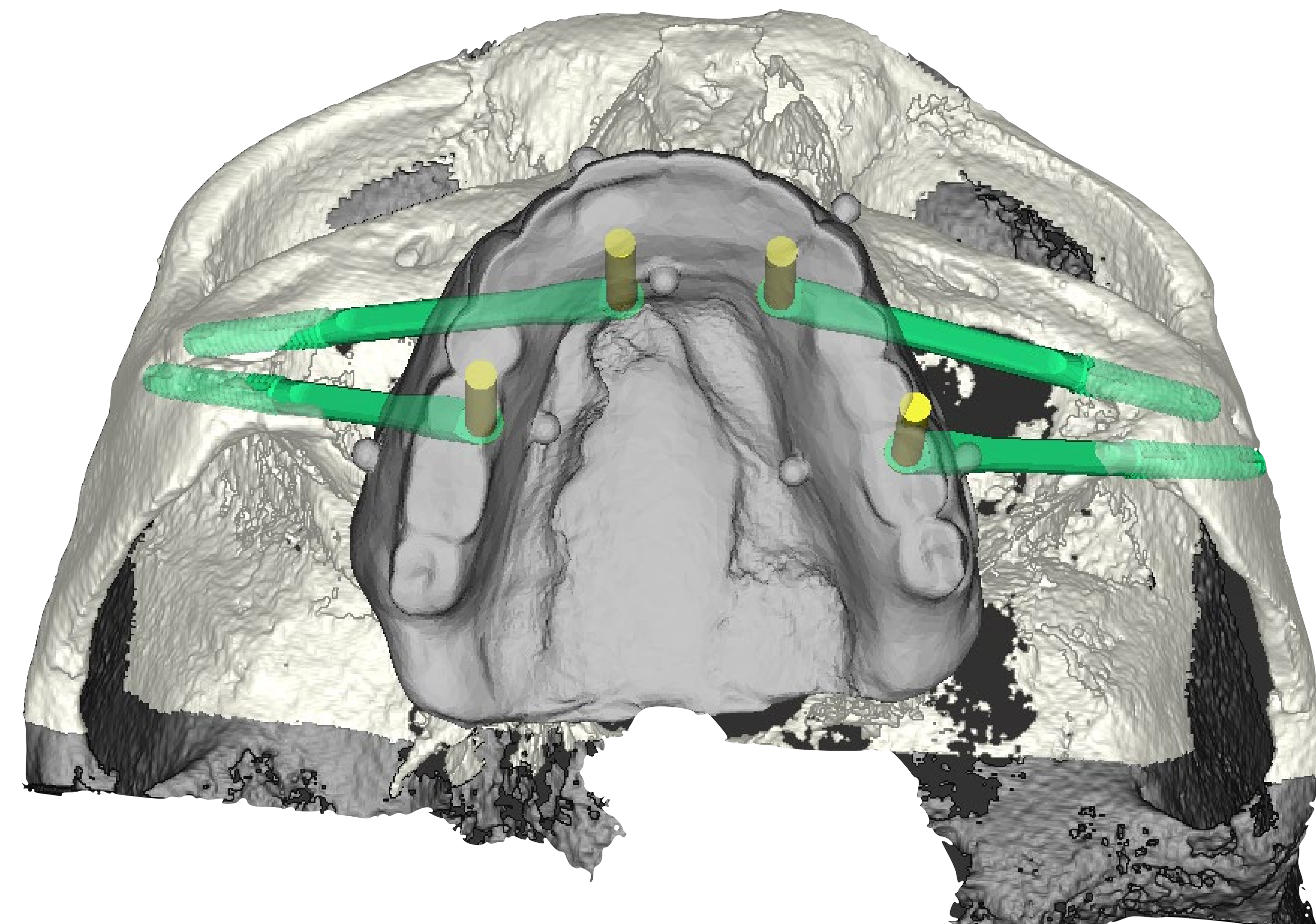
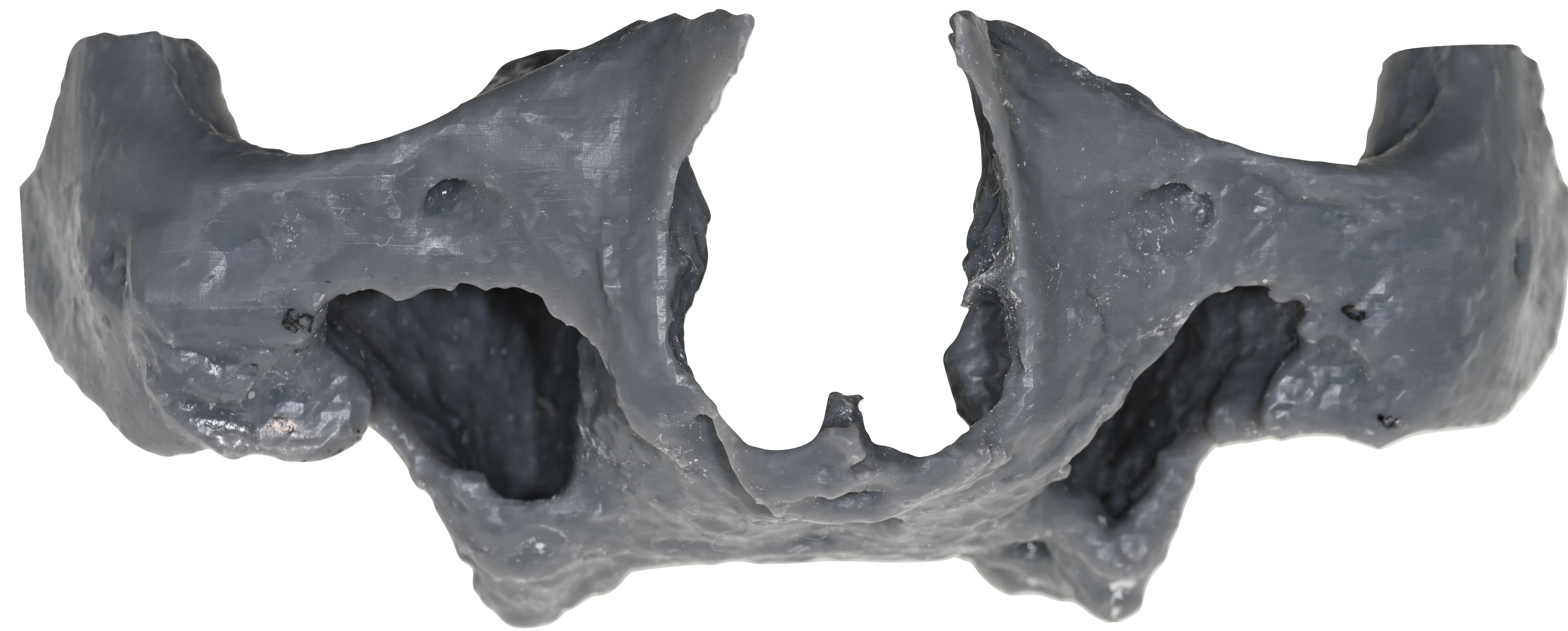
- Zygomatic implants have been used with long-term favorable results for the rehabilitation of severely atrophic maxilla. Even though the use of zygomatic implants has benefits including less morbidity, less invasiveness and discomfort for the patient, and shortening rehabilitation time when compared to staged grafting alternatives, complications and failures can happen before or after loading. However, there are a few reports regarding management of the complications, and subsequent surgical and prosthetic approaches.
- In this case report, we encountered mixed (zygoma and conventional implants) failures leading to implant removal, and a worsened maxillary atrophy. Subsequently, quad zygomatic implants were placed using the ZAGA protocol as a retreatment attempt, using a buccal fat pad flap for oral-antral communication secondary to complications and failure of previous zygomatic implants.
- The new quad zygomatic implants were restored with implant-supported overdenture with a CAD/CAM bar.
- Quad zygomatic implant restoration is a last resource but predictable treatment for severely atrophic maxilla secondary to complications and failure of previous procedures.



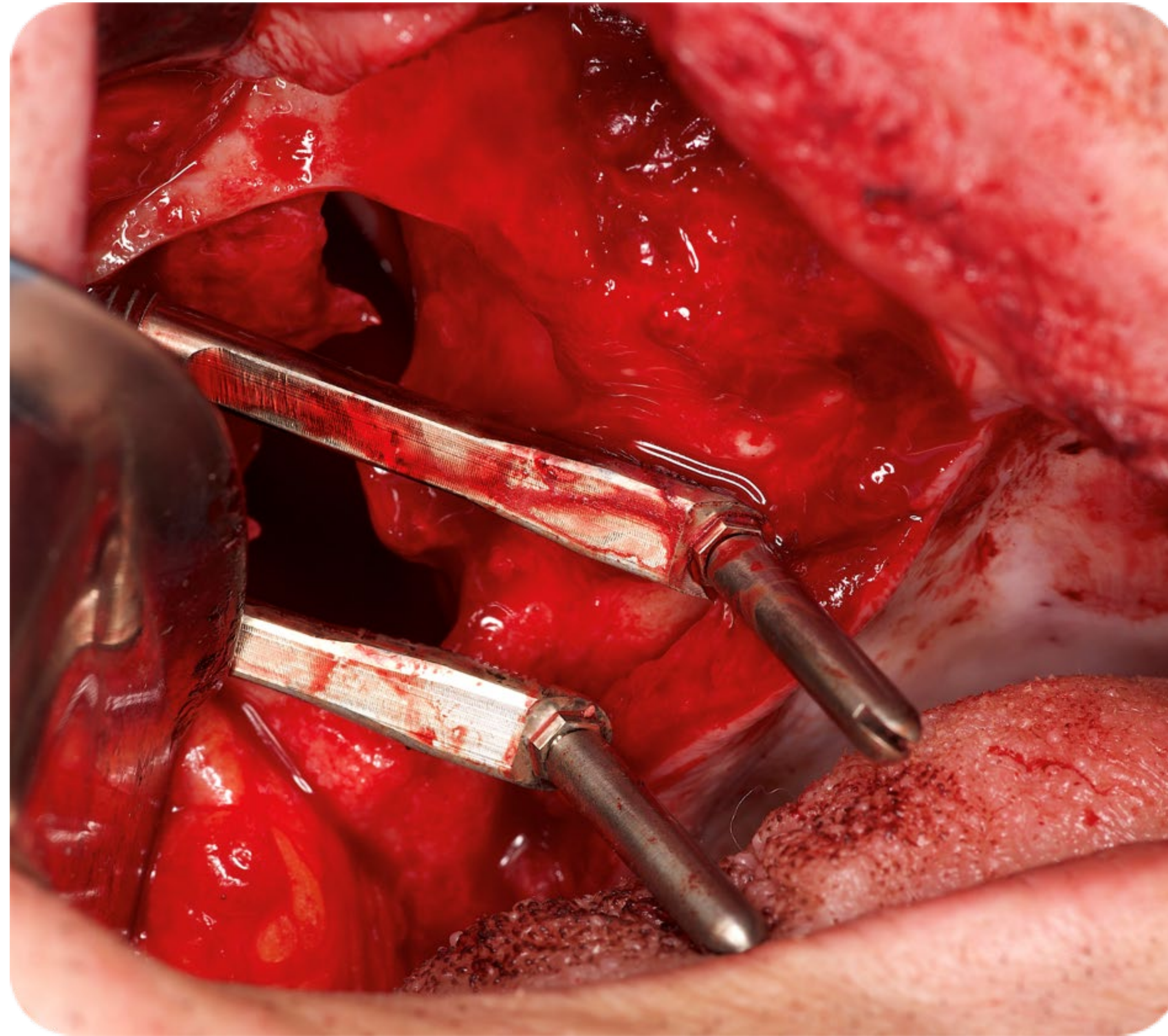
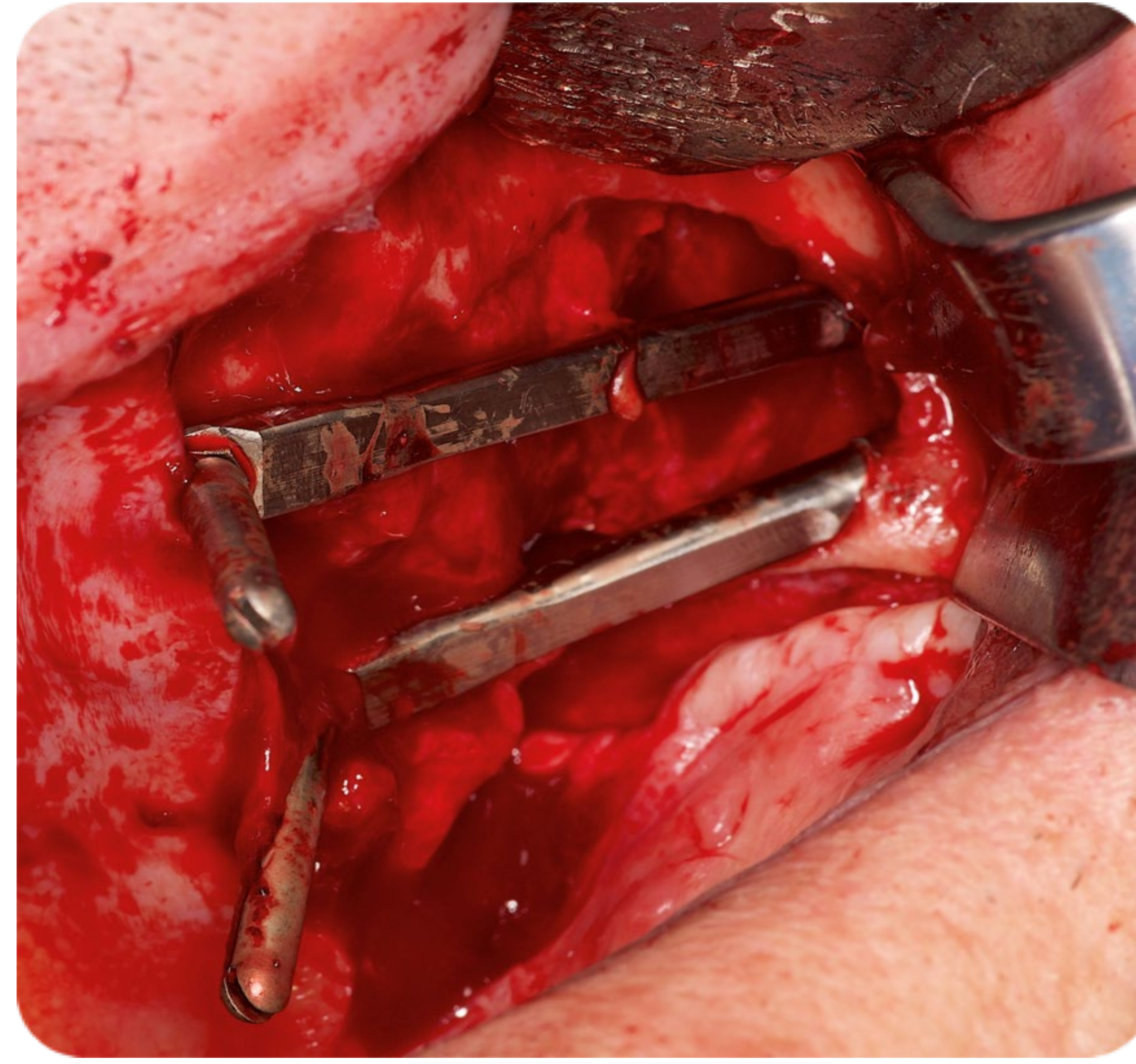
Pre-operative situation for re-treatment - 2 years after implant removal



VSP for Quad Zygoma

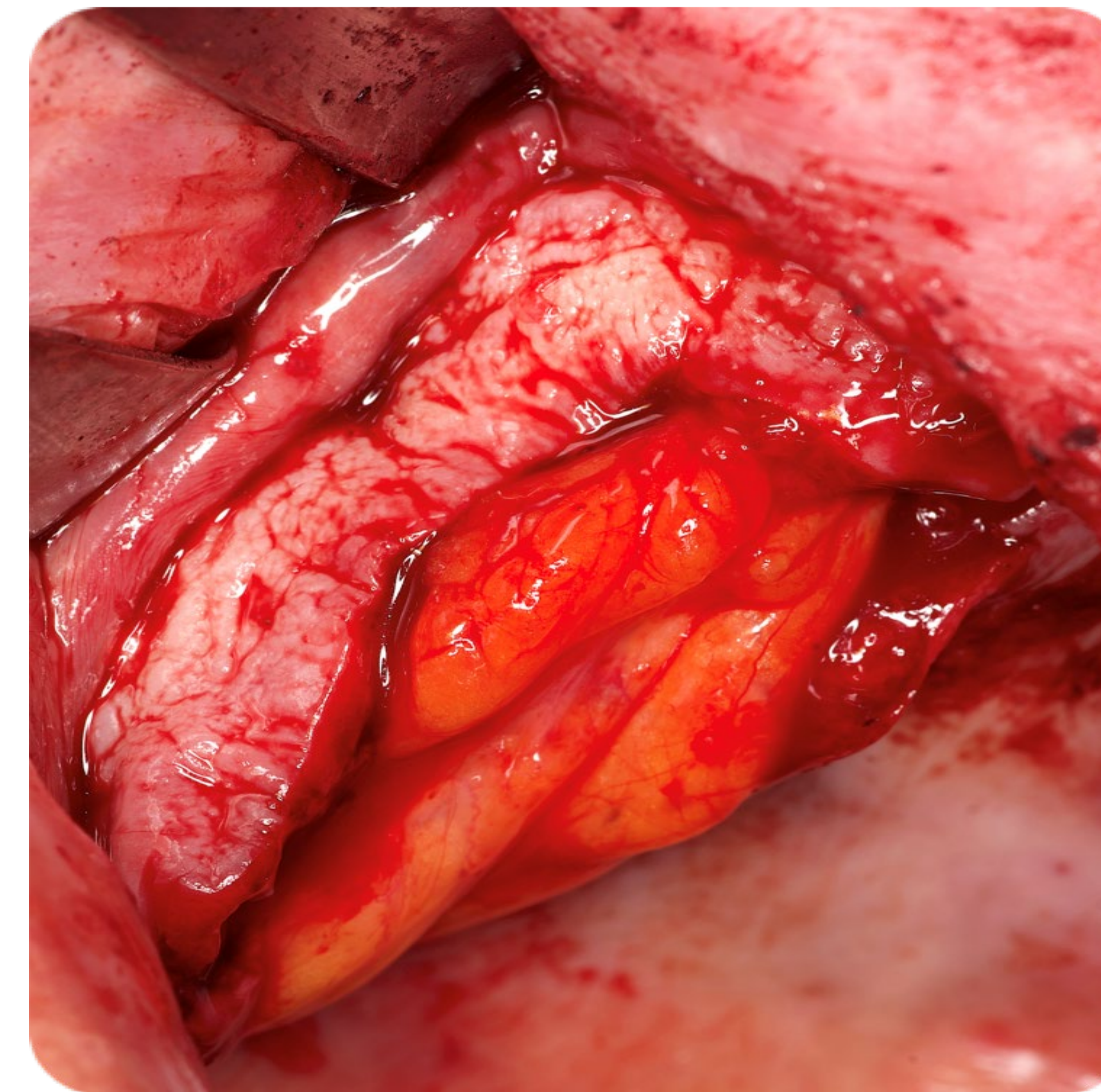
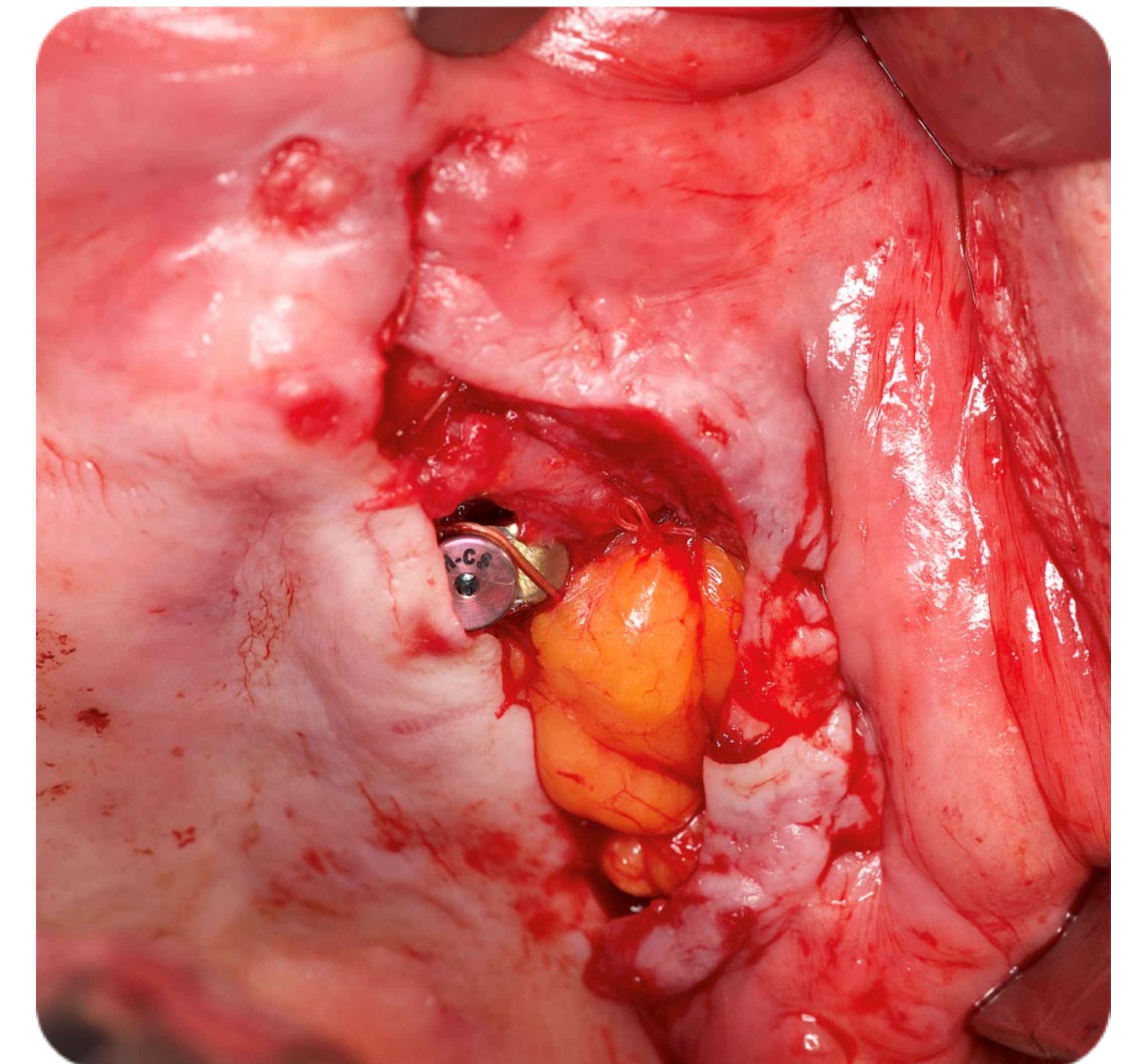


Surgical Procedure

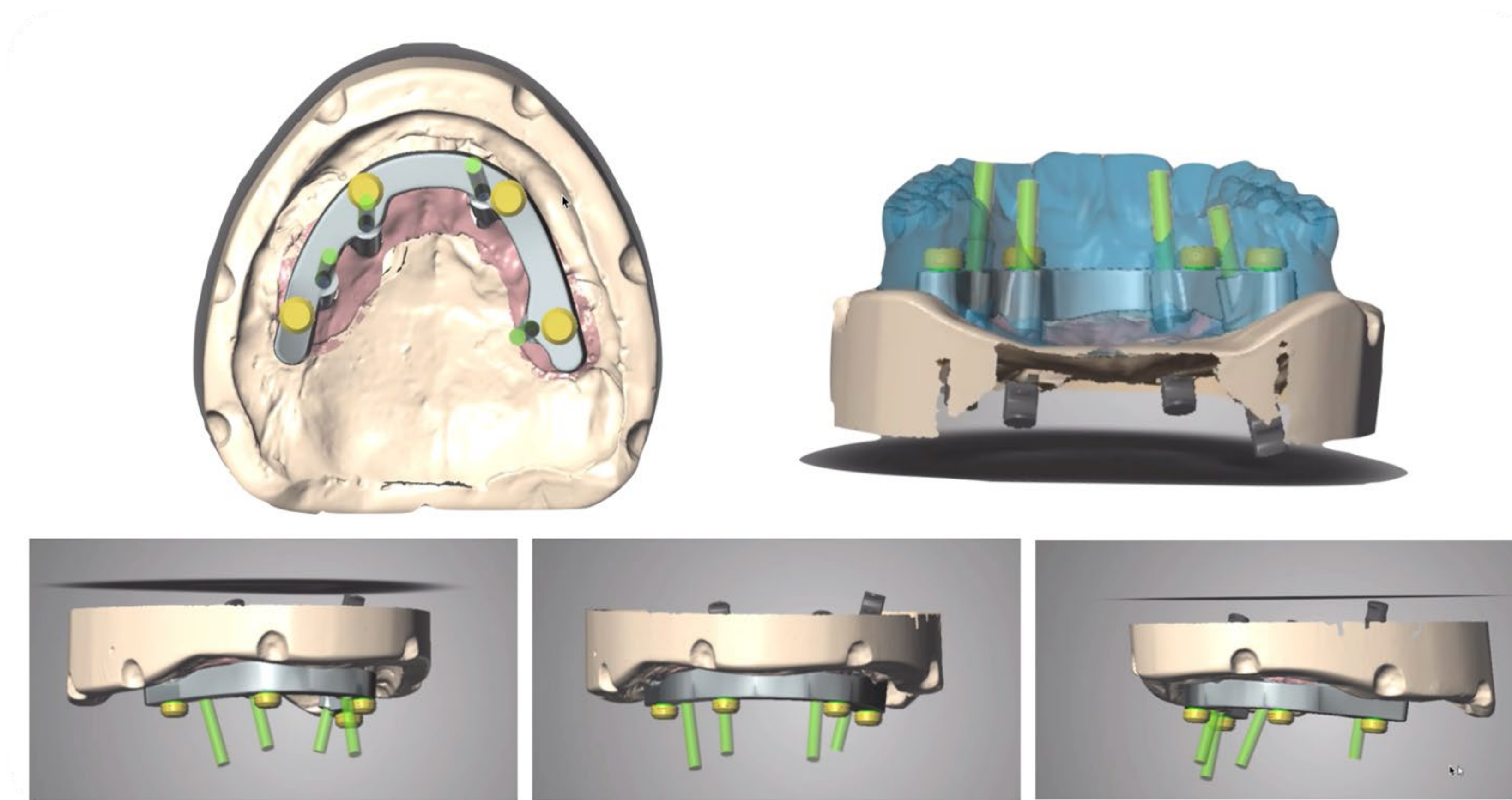
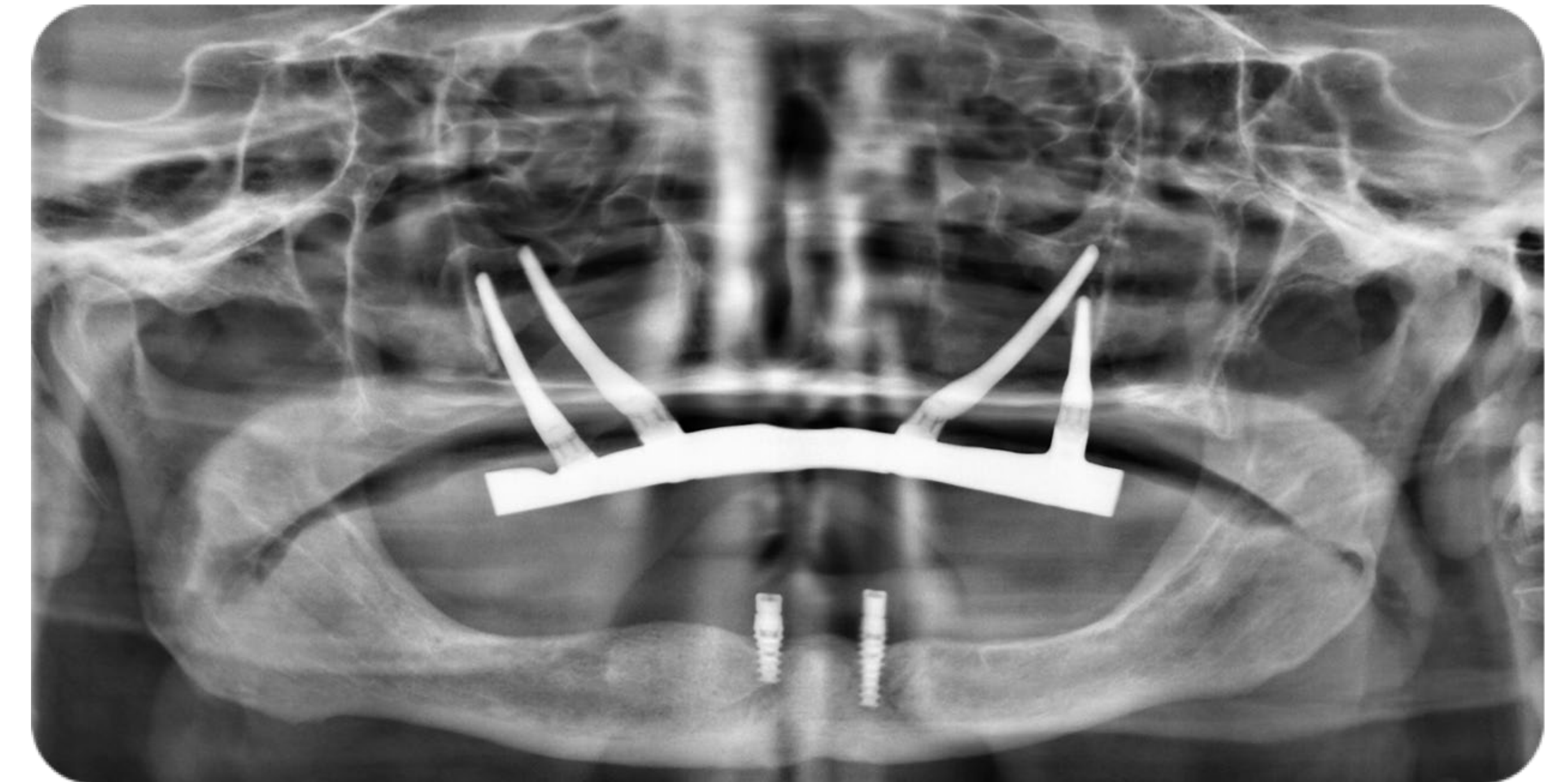


Flat Zygomatic implants and
direction indicators

Closure with buccal fat
pad advancement



Restorative Procedure



References